

#3 Pre. Amct. A
5/8/02

DOCKET NO. 612.40801X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Yannick PEYSSON et al

Serial No: Unassigned

Filed: November 6, 2001

For: METHOD OF DETERMINING THE THERMAL
PROFILE OF A DRILLING FLUID IN A WELL

Art Unit: Unassigned

Examiner: Unassigned

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

November 6, 2001

Sir:

Prior to examination of the above-identified application, please add the following
new claims as follows:

IN THE CLAIMS

Please cancel original claims 1-10 without prejudice or disclaimer and add new
claims 11-20 in this new application.

-- 11. A method of determining a thermal profile of a drilling fluid circulating in a well
during drilling, comprising the steps:

- a) determining a expression θ_1 of a thermal profile of the drilling fluid
inside the drill string in the well and a expression θ_2 of a thermal
profile of drilling fluid in a surrounding annulus, using a heat

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